RESULT 9
US-08-411-795B-398/c
; Sequence 398, Application US/08411795B
; Patent No. 5604116
;   GENERAL INFORMATION:
;   APPLICANT: Abrams, Mark A.
;   APPLICANT: Bauer, S. C.
;   APPLICANT: Braford-Goldberg, Sarah R.
;   APPLICANT: Caparon, Maire H.
;   APPLICANT: Easton, Alan M.
;   APPLICANT: Klein, Barbara K.
;   APPLICANT: McKearn, John P.
;   APPLICANT: Olins, Peter O.
;   APPLICANT: Paik, Kumnan
;   APPLICANT: Thomas, John W.
;   TITLE OF INVENTION: Interleukin-3 (IL-3) Multiple Mutation
;   TITLE OF INVENTION: Polypeptides
;   NUMBER OF SEQUENCES: 415
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,
;   ADDRESSEE: Corporate Patent Dept.
;   STREET: P. O. Box 5110
;   CITY: Chicago
;   STATE: Illinois
;   COUNTRY: USA
;   ZIP: 60680
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/411,795B
;   FILING DATE: 04-JUN-1995
;   CLASSIFICATION: 424
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/981,044
;   FILING DATE: 24-NOV-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: PCT/US93/11197
;   FILING DATE: 22-NOV-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Bennett, Dennis A.
;   REGISTRATION NUMBER: 34,547
;   REFERENCE/DOCKET NUMBER: C2713/2
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (708)470-6501
;   TELEFAX: (708)470-6881
;   INFORMATION FOR SEQ ID NO: 398:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 339 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
US-08-411-795B-398

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Query Match                   2.2%;  Score 18;  DB 2;  Length 339;
Best Local Similarity   100.0%;  Pred. No. 48;
Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         162 TCATTGAGGTTGTTGAAG 179
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Db          89 TCATTGAGGTTGTTGAAG 72
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L1    ANSWER 4 OF 4  REGISTRY   COPYRIGHT 2006 ACS on STN
RN    9013-08-5  REGISTRY
ED    Entered STN:  16 Nov 1984
CN    Carboxykinase, phosphoenolpyruvate (guanosine triphosphate) (9CI)   (CA
      INDEX NAME)
OTHER NAMES:
CN    E.C.  4.1.1.32
CN    PEP carboxykinase
CN    PEP carboxykinase (GTP)
CN    PEP carboxylase
CN    Phosphoenolpyruvate (guanosine triphosphate) carboxykinase
CN    Phosphoenolpyruvate carboxykinase
CN    Phosphoenolpyruvate carboxykinase (GTP)
CN    Phosphoenolpyruvate carboxykinase (guanosine triphosphate)
CN    Phosphoenolpyruvate carboxylase
CN    Phosphoenolpyruvate carboxylase (GTP)
CN    Phosphoenolpyruvic carboxykinase
CN    Phosphoenolpyruvic carboxykinase (GTP)
CN    Phosphoenolpyruvic carboxykinase (inosine triphosphate)
CN    Phosphoenolpyruvic carboxylase
CN    Phosphoenolpyruvic carboxylase (GTP)
CN    Phosphoenolpyruvic carboxylase (inosine triphosphate)
CN    Phosphopyruvate carboxykinase
CN    Phosphopyruvate carboxykinase (GTP)
CN    Phosphopyruvate carboxylase
CN    Phosphopyruvate carboxylase (GTP)
DR    9035-78-3
MF    Unspecified
CI    MAN
LC    STN Files:   ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
         CAPLUS, CIN, CSCHEM, EMBASE, NIOSHTIC, PROMT, TOXCENTER, USPAT2,
         USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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=> d full his

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        FILE 'REGISTRY' ENTERED AT 10:13:30 ON 06 JAN 2006
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        FILE 'HCAPLUS' ENTERED AT 10:13:50 ON 06 JAN 2006

        FILE 'REGISTRY' ENTERED AT 10:13:55 ON 06 JAN 2006
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L2               SEL PLU=ON  L1 1- CHEM :       22 TERMS
                 SET SMARTSELECT OFF

        FILE 'HCAPLUS' ENTERED AT 10:13:56 ON 06 JAN 2006
L3         7236 SEA ABB=ON  PLU=ON  L2
L4           40 SEA ABB=ON  PLU=ON  L3 (L) (CORYNEFORM BACTER? OR CORYNEBACTERI
                 A OR CORYNEBACTERIA GLUTAMICUM OR (BACTERIA (L) CORYNEFORM))
L5            9 SEA ABB=ON  PLU=ON  L4 (L) (DNA OR CDNA OR NUCLEIC ACID OR
                 POLYNUCLEOTIDE OR VECTOR OR HOST)
L6            4 SEA ABB=ON  PLU=ON  L5 AND PD<19990708
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NiceZyme View of ENZYME: EC 4.1.1.32

Official Name	
Phosphoenolpyruvate carboxykinase (GTP).	
Alternative Name(s)	
PEP carboxykinase.	
PEPCK.	
Phosphoenolpyruvate carboxykinase.	
Phosphoenolpyruvate carboxylase.	
Phosphopyruvate carboxylase.	
Reaction catalysed	
GTP + oxaloacetate <=> GDP + phosphoenolpyruvate + CO(2)	
Comment(s)	
ITP can act as phosphate donor.	
Human Genetic Disease(s)	
PEPCK deficiency	MIM:261650
Cross-references	
Biochemical Pathways; map number(s)	E5 ; F5
PROSITE	PDOC00421
BRENDA	4.1.1.32
PUMA2	4.1.1.32
PRIAM enzyme-specific profiles	4.1.1.32
Kyoto University LIGAND chemical database	4.1.1.32
IUBMB Enzyme Nomenclature	4.1.1.32
IntEnz	4.1.1.32
MEDLINE	Find literature relating to 4.1.1.32
MetaCyc	4.1.1.32

UniProtKB/Swiss-Prot

Q8HYZ4, PPCKC_BOVIN;	P05153, PPCKC_CHICK;	P35558, PPCKC_HUMAN;
Q9Z2V4, PPCKC_MOUSE;	Q5R5J1, PPCKC_PONPY;	P07379, PPCKC_RAT;
P21642, PPCKM_CHICK;	Q16822, PPCKM_HUMAN;	Q8BH04, PPCKM_MOUSE;
Q6F8P2, PPCK_ACIAD;	Q05893, PPCK_ASCSU;	Q5P2P8, PPCK_AZOSE;
Q7WJQ9, PPCK_BORBR;	Q7WAK8, PPCK_BORPA;	Q62FI7, PPCK_BURMA;
Q63VB7, PPCK_BURPS;	Q5L4X1, PPCK_CHLAB;	Q821M4, PPCK_CHLCV;
Q08262, PPCK_CHLLI;	Q9PLL6, PPCK_CHLMU;	Q9Z755, PPCK_CHLPN;
Q8KAD1, PPCK_CHLTE;	O84716, PPCK_CHLTR;	Q6NET5, PPCK_CORDI;
Q8FM16, PPCK_COREF;	Q9AEM1, PPCK_CORGL;	Q4JY04, PPCK_CORJK;
P20007, PPCK_DROME;	P80525, PPCK_FASHE;	Q746Y3, PPCK_GEOSL;
P29190, PPCK_HAECO;	Q6AGS4, PPCK_LEIXX;	P65687, PPCK_MYCBO;
O06084, PPCK_MYCLE;	Q73TS2, PPCK_MYCPA;	Q9AGJ6, PPCK_MYCSM;
P65686, PPCK_MYCTU;	P22130, PPCK_NEOFR;	Q5YNB0, PPCK_NOCFA;
Q9UY53, PPCK_PYRAB;	Q8U410, PPCK_PYRFU;	O58050, PPCK_PYRHO;
Q6F494, PPCK_PYRKO;	Q8Y3G3, PPCK_RALSO;	Q82I71, PPCK_STRAW;
Q93JL5, PPCK_STRCO;	Q4J9S8, PPCK_SULAC;	Q97VS5, PPCK_SULSO;
Q972S7, PPCK_SULTO;	Q9HLV2, PPCK_THEAC;	P58306, PPCK_THEVO;